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SUMMARY OF WEATHER CONDITIONS IN THE GDR,  
AUGUST - OCTOBER 1952

In August, as in July, a warm weather period was followed by a cool weather period in the second half of the month, with the difference, however, that the above-normal warm weather during the first half was caused by an uninterrupted, partially cyclonic southwest current.

Until 16 August, the average daily temperatures in the lowlands were mostly above 20 degrees, and on 12 August they exceeded 25 degrees. After 16 August they fell to between 13 and 19 degrees and rose to the 20 degree level only on the last day of the month.

The highest temperatures during the month were recorded mostly on the 12th, in many places on the 6th, and in some localities on the 13th, 14th, and 16th. In most areas it reached 30-35 degrees, and thus exceeded the long-term average for the month by 3-4 degrees.

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The average temperature during the month increased from the coastal area, where in some localities readings of less than 17 degrees were made, to 19 degrees in the interior. The warmest areas were the vicinity of Halle-Bitterfeld-Leipzig, in the valley of the Elbe between Dresden and Wittenberg, in the northeast portion of Sachsen, and in the southeast of Brandenburg. In most of Mecklenburg and in the northern section of Brandenburg the average temperature for the month fluctuated between 17 and 18 degrees. In the rest of the GDR, with the exception of the highlands, it was between 18 and 19 degrees. In the higher sections of the highlands, average temperatures for the month of between 12 and 15 degrees were recorded.

Correspondingly, the deviation from the long-term average was positive throughout the GDR and increased from north to south. In the northwestern section of Mecklenburg it amounted to less than one degree; in most of Brandenburg and in Sachsen-Anhalt, to 1-2 degrees; in the southeast of Brandenburg, in Sachsen, in Thuringen, and in the Harz Mountains, to 2-3 degrees; and in the extreme southern portion of the GDR, to even more than 3 degrees.

As a result of the general weather conditions and the more than normal frequency of thunderstorms, the northern part of the GDR received in all more rainfall than the southern part; but generally there was a wide variation in the distribution of precipitation. Corresponding to the norm, there were 13 to 15 days with a precipitation of at least 0.1 millimeter in the south, whereas there were 15 to 18 days in the north. There was generally no precipitation on 4 - 6, 11 - 12, and 23 - 26 August. The highest precipitation was recorded mostly between the 7th and the 22d, but in most areas on the 22d. It amounted mostly to 10-15 millimeters, but in some places to more than 50 millimeters (Gardelegen recorded 59 millimeters on 21 August).

The total precipitation for the month exceeded 75 millimeters in the coastal areas; along the middle Oder and the lower Neisse; in the central part of the Erzgebirge; and in parts of the Thuringer Wald, the Eichsfeld, the Flaeming, and the Altmark. It amounted to less than 50 millimeters in large sections of Brandenburg, Sachsen-Anhalt, Thuringen, and western Sachsen.

Compared with the long range average, therefore, the major part of the coastal region, eastern Brandenburg, and some parts of the Flaeming, the Altmark, the Eichsfeld, and the Erzgebirge received more than 100 percent of the average monthly precipitation, while some localities of the Vogtland and the Harz received less than 50 percent of the norm.

Overcast exceeded the norm by about one tenth because of the changeable weather conditions. The number of clear days varied from 0 to 2, which was two less than the norm. The number of overcast days was normal. In general there were 200-220 hours of sunshine or 10 percent more than the norm for the month. As in the previous months, the southern GDR was especially favored with sunshine.

September 1952

Excessively cool and cyclonically influenced weather predominated from mid-August through September. The GDR was under anticyclonic conditions from 14 to 17 September. Between 5 and 13 September, there were frequent Vb [?] type warm-front movements, especially in central Germany.

Except for a few days, the month was therefore cooler than normal and, except in the northwest and along the lower Oder, had an unusual amount of precipitation. Periods of sunshine were below normal, especially in the south.

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At the beginning of the month, a strong decline of temperatures approximated those of the late fall. The average daily temperature fell occasionally below the 10-degree mark. There were average daily temperatures of 13-15 degrees on 17, 23 - 26, 29, and 30 September. The highest temperature of the month was recorded everywhere on the first. In the lowlands it varied between 22 and 24 degrees. On the Baltic Sea coast the temperature rose on the 1st to 18-20 degrees, and in the mountain areas it rose to 13-18 degrees. Thus, the average high temperature for the month was 3-5 degrees below the long-term average.

The lowest temperature for the month was recorded on a wide variety of days, mostly, however, during the second half of the month. In many areas it was recorded on the 16th, 17th, or 29th, but in some spots also on the 9th, 11th, 12th, 14th, 19th, 20th, or 30th. In many places the lowest temperature for the month was 1-4 degrees, which corresponds to the long-term average. The first light frost was observed, about a month earlier than usual, at scattered points in northern Brandenburg and southern Mecklenburg and at the highest levels of the Harz and the Erzgebirge.

In the lowlands, the average temperature for the month was between 10.5 and 11.5 degrees. This increased somewhat from north to south. On the higher levels of the mountain ranges, however, it was only 4-7 degrees.

The deviation from the long-term average temperature for the month was negative everywhere as a result of the influx of cold air from the sea. In the interior, the deviation was generally between 2.2 degrees and 2.5 degrees. It was somewhat less, 1.5-2 degrees, along the Baltic Sea coast, along the Oder, and in the region of Halle and Pitterfeld. As a result of the predominantly cyclonic character of the weather (Indian summer conditions were never observed), the temperatures in the higher levels were particularly low in contrast to the norm for September, with a negative deviation of 3-3.5 degrees.

The frequency of precipitation was greater than average. It increased from north to south. There were 15-20 days with precipitation of more than 0.1 millimeter in the north and 20-25 days in the south. This is 4-8 days above normal in the north and 8-12 days in the south. There was dry weather in the entire GDR from the 14th to the evening of the 17th. The highest daily precipitation was recorded almost everywhere in the south on the 13th as a result of a "Vb-Regen" of long duration. In most areas, it amounted to 25-60 millimeters, and at some stations in eastern Thuringen and western Sachsen it reached 80-100 millimeters. In the northern areas the highest precipitation in a single day was recorded early, frequently on the 4th or 6th, and amounted to 10-25 millimeters. In scattered localities it was also recorded on the 1st, 24th, or 29th. Except in the coastal areas, thunderstorms were observed, as is normal, on one or two days, in many areas on the 7th and 8th, in some spots on the 4th, 5th, 6th, 9th, 17th, or 19th. On the 18th, the first snow fell on the highest mountain levels.

The total precipitation for the month remained below 50 millimeters in northwestern Mecklenburg, in the Altmark, and along the lower Oder. In large sections of Mecklenburg, Brandenburg, and Sachsen-Anhalt it amounted to 60-80 millimeters. It increased considerably southward from Berlin to 130-180 millimeters, and in some spots on the higher levels of the Harz, the Thuringer Wald, and the Thuringer Schiefergebirge it reached 200-210 millimeters. Total precipitation for the month was thus 80-100 percent of normal in the northeast and the northwest GDR, 140-180 percent in Brandenburg and Mecklenburg, and 220-280 percent in central Germany. Southwest of the Thuringer Wald and in eastern Sachsen, the percentage was somewhat less. In a wide strip along the northern approaches to the Thuringer Wald, Thuringer Schiefergebirge, and the Erzgebirge as far as the Lausitz, precipitation was measured as high as 300-400 percent of normal. At many stations in this area, September 1952 had the highest precipitation since regular records have been kept.

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Because of the changeable weather, overcast was one tenth to two tenths greater than normal. The number of clear days, 0-1, was thus 3-4 days less than normal. In contrast, the number of overcast days was above normal, amounting to 6-12 days in the north, 13-18 days in the south, and 20-21 days in the highlands. Sunshine during the month amounted to 160-200 hours in the north and 60-100 hours in the south. In the north, especially the coastal regions of the Baltic Sea, the amount of sunshine was 10-20 percent above normal, while in the south it was 10-20 percent below normal.

October 1952

The weather in October, as in September, was mostly under cyclonic influence. A high pressure influence became temporarily dominant between 17 and 20 October.

From 24 October on, the temperatures rose, for the first time since the beginning of September, to an above-average level. The average temperature for the month remained below the long-term average, however, because the first 20 days of the month were exceedingly cool. The intense disturbances brought about such frequent precipitation that the amount of precipitation was higher than normal in the GDR, with the exception of the west and northwest, central Thuringen, and the southeast. The period of sunshine was less than normal.

At the beginning of the month, there were two cold-weather periods. From 3 to 8 October, the average temperature for the day in the lowlands was between 7 and 9 degrees. During the second period, from the 12th to the 21st, it fell even further (sometimes as much as 7 degrees) below the normal average temperature for the day, 3-7 degrees. It rose gradually from the 21st, and rapidly from the 23d, to average temperatures for the day of between 10 and 13 degrees. The highest average temperature for any day during the month occurred on 29 October. During the last 2 days of the month, the temperature fell again somewhat.

The highest temperature for the month was recorded almost exclusively on 1 October and only in the coastal areas on 29 October. It reached 16-18 degrees in the coastal areas, 18-20 degrees in the inner lowlands, and 10-13 degrees in the mountain areas. It was therefore one to 3 degrees (and in the mountain areas 3-5 degrees) below the average high temperature for the month.

The lowest temperature for the month was reached in many places on the 13th, 20th, or 21st, and in some places also on the 7th, 12th, 16th, or 19th. The negative low temperatures recorded at some coastal stations were 0-3 degrees in the lowlands and -3 to -5 degrees in the mountain areas. At most stations, therefore, the temperatures were one to 3 degrees warmer than the norm. The number of days with frost amounted to one to 3 days in the lowlands (mostly one or two fewer than normal). In the mountain areas the number of days with frost rose to 10-20 days (5-7 more than normal). The first days of freezing temperatures also occurred at elevations over 900 meters above sea level.

The average temperature for the month fluctuated between 7 and 8 degrees. The 8-degree limit was exceeded slightly at some stations along the Baltic Sea coast, in the area of Bitterfeld and Dessau, along the Saale River from Halle to Saalfeld, along the Weiße Elster River, and in the valley of the Elbe River near Dresden. In southern Mecklenburg and in northern Brandenburg, the 7-degree limit was not quite reached. The average temperature for the month was one to 3 degrees lower in the mountain areas.

The number of days with precipitation of more than 0.1 millimeter was very high (20-26 days) and exceeded the average by 6-12 days. In the higher

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mountain areas, snow fell on 5-20 days. The highest precipitation per day was recorded most frequently on the 15th or 22d, but it was also recorded at some stations on the 2d, 3d, 6th, 7th, 8th, 13th, 16th, 17th, 23d, 27th, 29th, or 30th. This clearly indicates the even spread of precipitation over the whole month. The highest precipitation per day was generally 10-20 millimeters; but in the area of Ruegen it rose to 30 millimeters.

The total precipitation for the month in the lowlands amounted generally to 50-70 millimeters. In the vicinity of Berlin, along the Havel River to the Altmark, and in some localities in eastern Sachsen and central Thuringen only 40-50 millimeters of precipitation were measured. The western highlands of the GDR, the Vogtland, and Ruegen, along with the neighboring coastal strips, received precipitation of 100-130 millimeters. Below normal precipitation occurred in limited areas of western Brandenburg and the neighboring portions of Sachsen-Anhalt and Mecklenburg, in the Thuringen basin, and in eastern Sachsen, although generally, precipitation was 110-140 percent of normal. In the highlands extending toward the southwest and west, in the Vogtland, and in the area of Ruegen, the precipitation rose to 150-200 percent of normal.

At elevations above approximately 800 meters above sea level, a blanket of snow was formed from 12 October on (up to 37 centimeters on the Brocken on the 17th). However, warmer weather, beginning the 21st, quickly melted the snow, even at the highest elevations.

Because of the prevailing changeable weather, overcast was again, as in September, on the average one tenth to two tenths higher than normal. A clear day was observed only occasionally in central Germany: in the lee of the Harz, the Thuringer Wald, and the Erzgebirge. The number of clear days was 2-4 less than normal. The 10-20 overcast days in the lowlands and the 23-28 overcast days in the mountain areas were 2-10 days in excess of the average. The sun shone in the coastal areas and in the central German lee area (area around Bitterfeld, Halle, and Erfurt) 70-80 hours, in the rest of the lowlands, 50-60 hours. This amounts to 80-90 percent of normal in the most favored areas, and only 30-50 percent of normal in the least favored.

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## GDR Weather Statistics for August 1952

	Elevation (m)	Temperature (centigrade)						Humidity (%)
		Average	Deviation From Long-Term Average	Maximum	Date	Minimum	Date	
Arkona	42	16.3	(+0.8)	28.3	12	11.2	27	84
Warnemuende	4	17.4	(+1.7)	30.0	12	10.8	27	79
Boltenhagen	2	17.1	--	30.3	12	8.9	29	81
Schwerin	60	17.0	+0.9	30.2	12	8.2	29	81
Ueckermuende	1	17.6	(+1.1)	30.7	12	7.8	27	78
Neustrelitz	66	17.1	+0.7	30.0	12	6.5	30	79
Kyritz	49	17.7	+1.3	32.6	12	6.7	30	79
Angermuende	48	18.0	+1.8	31.1	12	8.7	25	75
Frankfurt an der Oder	52	18.7	+2.0	31.3	6, 12	8.4	30	73
Berlin-Adlershof	38	18.4	(+1.7)	32.8	12	5.9	30	75
Potsdam	81	18.4	+1.9	33.1	12	9.5	25	73
Jueterbog	72	18.3	+1.3	32.0	12	5.6	30	75
Cottbus	72	19.7	+2.8	34.1	14	7.9	30	67
Gardelegen	47	18.0	+1.3	33.5	12	6.0	30	74
Magdeburg	79	18.4	+1.4	33.5	12	7.7	30	75

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Overcast (range 0-10)	Precipitation				Number of Days			
	Total (mm)	% of Normal	Maximum	Date	Precipitation			
					≥ 0.1 mm	≥ 1.0 mm	≥ 0.1 mm Snow	Clear
6.7	108	159	33.6	17	18	10	--	--
6.6	77	126	24.9	17	16	9	--	--
6.6	74	112	11.5	9	17	13	--	--
6.4	60	87	11.7	28	20	11	--	--
5.8	37	54	13.4	28	15	8	--	--
6.8	74	103	15.1	22	17	12	--	1
5.8	33	51	8.3	21	10	8	--	2
6.2	57	100	12.3	13	17	12	--	2
5.9	96	172	20.7	9	16	13	--	2
6.2	28	48	9.5	22	16	6	--	2
6.7	36	59	10.3	18	15	7	--	1
6.3	43	84	13.4	18	15	8	--	--
6.3	78	122	17.8	10	17	10	--	1
6.6	73	112	58.6	21	13	5	--	--
6.8	49	88	24.6	16	17	8	--	1

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Number of Days					Duration of Sunshine		
Overcast	Fog	Thunder- storms	Storms	Frost	Summer	Hot	
							Hours
							% of Astronomically Possible Total
							% of Normal
10	1	6	2	--	1	--	216
7	1	6	2	--	7	1	223
8	--	8	2	--	4	1	214
7	4	7	--	--	6	1	--
2	1	8	--	--	9	2	--
7	9	7	--	--	8	1	--
3	1	10	1	--	14	1	--
8	4	11	1	--	9	1	214
4	2	15	--	--	17	6	--
5	3	12	1	--	17	6	223
8	5	12	--	--	17	4	213
5	2	10	3	--	16	5	210
8	2	10	--	--	18	6	--
4	4	7	--	--	12	3	202
9	3	11	--	--	13	3	190
							42
							104

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Wernigerode	234	18.1	(+2.7)	32.7	12	7.8	27	70		
Torgau	80	19.3	+1.7	33.6	12	6.7	30	70		
Halle-Passendorf	78	19.0	(+1.8)	34.1	12	7.0	30	72		
Goerlitz	237	18.9	+2.1	32.5	6, 14	7.7	30	70		
Wahnsdorf b. Dresden	246	19.5	+2.7	34.1	6	9.7	24	66		
Chemnitz	356	18.3	+2.6	32.6	6	8.0	24	71		
Kalteneber	445	17.0	(+2.3)	31.2	12	8.9	22	73		
Erfurt	254	18.7	+2.7	33.4	12	9.0	29	68		
Altenburg-Ost	224	18.9	+2.5	33.6	12	9.0	29	69		
Sonneberg-Neufang	636	16.8	(+2.9)	30.3	12	6.4	23	71		
Brocken	1,142	11.9	+2.4	22.6	12	3.7	22, 29	82		
Inselsberg	913	14.6	+2.5	27.3	12	5.5	22	75		
Fichtelberg	1,214	13.2	+2.4	26.5	14	3.9	22	78		

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6.9	32	51	9.0	19	13	6	1
6.0	53	95	18.0	22	14	8	1
6.5	38	64	13.5	14	13	7	2
5.6	66	85	22.9	10	14	9	
6.3	58	84	23.4	10	18	10	
6.0	53	62	11.7	22	17	10	
6.9	82	112	40.4	22	17	12	
6.1	46	81	21.0	22	13	5	1
6.2	43	65	23.0	22	16	5	1
6.5	49	54	9.6	14	16	9	
7.4	65	44	14.2	22	20	12	
7.0	86	71	32.8	22	15	12	
7.1	59	48	14.7	22	19	13	

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9	1	8	3	--	10	1	169	37	--
5	3	9	--	--	19	6	222	49	--
8	5	5	1	--	17	5	--	--	--
5	--	12	--	--	16	5	247	55	--
6	--	12	--	--	17	7	222	49	114
5	--	9	--	--	13	4	221	49	115
7	3	7	--	--	7	1	193	13	--
4	--	5	--	--	14	3	196	44	100
8	--	6	--	--	15	5	202	45	--
10	8	4	1	--	11	1	198	44	--
10	22	7	18	--	--	--	170	38	--
9	19	4	12	--	3	--	179	40	96
9	21	10	2	--	4	--	232	52	155

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## GDR Weather Statistics for September 1952

	Elevation (m)	Temperature (centigrade)				Humidity (%)
		Average	Deviation From Long-Term Average	Maximum	Minimum	
				Date	Date	
Arkona	42	11.6	(-1.5)	18.8	6.2	82
Warnemuende	4	11.8	(-1.4)	18.9	4.7	81
Boltenhagen	2	11.1	--	21.4	2.3	81
Schwerin	60	10.6	-2.7	22.6	2.5	84
Ueckermuende	1	11.3	(-2.3)	22.7	-0.4	82
Neustrelitz	66	10.4	-2.6	21.1	-1.0	84
Kyritz	49	10.6	-2.6	22.2	0.8	86
Angermuende	48	11.1	-1.8	23.2	-0.4	81
Frankfurt an der Oder	52	11.5	-1.9	23.8	3.2	80
Berlin-Adlershof	38	11.2	(-2.1)	24.6	1.5	82
Potsdam	81	11.2	-2.2	23.2	3.5	81
Jueterbog	72	11.2	-2.3	24.3	1.7	83
Cottbus	72	11.8	-1.7	24.9	3.4	80
Gardelegen	47	10.8	-2.5	20.8	0.6	84

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Overcast (range 0-10)	Precipitation			Number of Days			
	Total (mm)	% of Normal	Maximum	Date	Precipitation		
					≥ 0.1 mm	≥ 1.0 mm	≥ 0.1 mm Snow
7.0	83	157	23.5	6	17	12	--
6.3	69	157	18.0	4	16	12	--
6.1	39	83	11.2	4	15	9	--
6.4	45	92	7.7	4	18	10	--
6.4	72	142	15.0	24	23	12	--
7.1	70	137	22.2	6	18	12	--
6.0	51	108	14.6	6	18	11	--
7.1	40	89	9.8	24	16	11	--
7.2	82	178	27.6	13	18	11	--
7.2	68	148	12.5	6	16	12	--
7.5	71	148	15.8	13	20	14	--
7.5	98	209	40.3	13	15	12	--
7.6	133	277	45.6	13	21	13	--
7.2	69	141	12.3	6	22	13	--

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	Number of Days					Duration of Sunshine	
	Overcast	Fog	Thunder- storms	Storms	Freezing	Frost	Summer
13	2	1	1	3	--	--	--
8	1	--	--	1	--	--	--
6	--	1	1	--	--	--	--
9	4	--	--	--	--	--	--
7	--	--	--	2	--	1	--
14	6	1	1	--	--	1	--
7	5	1	1	--	--	--	--
9	3	1	1	1	--	1	--
12	1	1	1	1	--	--	--
11	2	1	1	--	--	--	--
13	2	--	--	--	--	--	92
13	1	--	--	2	--	--	--
14	--	1	1	1	--	--	--
10	1	2	2	--	--	--	40

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Magdeburg	79	11.1	-2.5	22.4	1	1.4	29	83
Wernigerode	234	10.6	(-1.7)	21.3	1	1.8	16	79
Torgau	80	11.5	-2.6	23.8	1	2.3	17	82
Halle-Passendorf	78	11.5	(-2.3)	23.5	1	0.6	29	81
Goerlitz	237	11.0	-2.4	21.6	1	1.8	16	85
Wahnsdorf b. Dresden	246	11.3	-2.3	22.6	1	3.6	29	78
Chemnitz	356	10.3	-2.1	20.6	1	2.3	11, 17, 29	82
Kalteneber	445	9.1	(-2.7)	18.0	1	3.7	29	86
Erfurt	254	10.6	-2.1	22.4	1	2.1	17	82
Altenburg-Ost	224	10.9	-2.3	22.2	1	2.9	11	82
Sonneberg-Neufang	636	8.0	(-2.9)	18.8	1	1.0	20	90
Brocken	1,142	4.0	-3.2	13.0	1	-1.3	20	96
Inselsberg	913	5.9	-3.5	15.0	1	0.1	19, 20	94
Fichtelberg	1,214	4.6	-3.5	14.0	1	-1.5	20	95

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7.0	87	202	24.1	13	21	11	1
7.6	112	211	32.7	13	23	15	1
7.2	149	339	64.7	13	20	15	2
7.6	102	232	46.8	13	20	12	1
7.9	147	272	35.4	13	22	14	1
8.0	122	218	37.0	13	23	13	1
7.8	145	234	46.0	13	21	15	1
8.2	133	242	25.7	13	24	19	1
7.8	178	373	58.5	13	21	18	1
7.5	139	302	80.5	13	22	11	1
8.5	181	251	30.3	13	26	21	1
8.7	195	144	37.2	13	26	24	1
8.5	212	198	32.5	1	27	23	1
8.4	184	198	52.6	13	28	24	1

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11.	1	1	--	140	37	95
15.	2	2	--	112	29	--
11.	2	1	--	122	32	--
14.	5	1	--	--	--	--
18.	--	--	--	122	32	--
18.	5	1	--	110	29	81
16.	2	1	--	99	26	69
21.	10	3	--	105	28	--
15.	3	3	--	102	27	72
15.	2	1	--	100	26	--
22.	24	3	--	67	18	--
21.	28	2	--	69	18	--
20.	29	3	--	70	18	52
20.	30	1	--	75	20	76

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## GDR Weather Statistics for October 1952

	Elevation (m)	Temperature (centigrade)				Humidity (%)
		Average	Deviation From Long-Term Average	Maximum	Minimum	
				Date	Date	
Arkona	42	7.8	(-0.8)	14.1	29	87
Warnemuende	4	8.8	(-0.5)	10.3	1	86
Boltenhagen	2	7.8	--	15.6	1	87
Schwerin	60	7.1	-1.4	16.0	1	89
Ueckermuende	1	7.4	(-1.0)	19.0	1	87
Neustrelitz	66	6.8	-1.2	18.7	1	89
Kyritz	49	7.0	-1.1	18.3	1	89
Angermuende	48	7.1	-0.7	18.9	1	88
Frankfurt an der Oder	52	7.3	-1.1	19.7	1	87
Berlin-Adlershof	38	7.1	(-1.2)	18.4	1	87
Potsdam	81	7.1	-1.3	17.6	1	87
Jueterbog	72	7.3	-1.2	18.3	1	87
Cottbus	72	7.5	(-0.9)	19.0	1	87
Gardelegen	47	7.2	-1.3	18.0	1	87

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Overcast (range 0-10)	Precipitation			Number of Days		
	Total (mm)	% of Normal	Maximum	Precipitation		
				≥ 0.1 mm	≥ 1.0 mm	≥ 0.1 mm Show.
8.4	137	245	31.1	27	17	--
8.1	79	161	9.1	28	20	--
7.7	76	149	8.9	26	16	--
7.5	56	106	8.4	25	15	--
7.5	71	148	13.3	25	14	--
7.9	51	102	17.0	23	13	--
7.4	37	82	12.4	18	11	1
7.9	47	112	11.6	21	11	--
8.0	52	127	11.3	19	12	--
7.7	52	133	12.7	21	16	--
8.1	50	116	17.7	24	11	--
7.7	47	120	10.7	20	12	--
7.9	52	116	8.0	25	15	--
7.9	56	127	19.9	22	12	--

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7.8	53	126	16.1	22	19	12	-	-
7.7	76	136	20.7	22	20	12	-	-
7.6	58	138	11.6	15	21	12	-	-
8.1	60	146	15.2	15	22	10	-	-
7.6	55	106	13.5	15	22	15	-	-
8.1	60	100	9.5	15	25	17	-	-
7.9	100	172	13.1	6	24	22	4	-
8.4	105	162	17.0	22	24	21	3	1
7.6	69	168	12.0	15	26	15	1	1
8.0	76	160	11.6	15	23	16	-	-
8.6	122	153	13.9	15	27	22	7	-
9.3	157	139	20.9	15	29	22	19	-
9.3	133	123	25.7	15	26	22	9	-
9.4	94	109	12.0	6	26	22	14	-

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14	5	--	--	2	--	79	24	82
12	4	1	--	4	--	100	30	--
13	4	--	--	1	--	74	22	--
17	9	--	--	3	--	--	--	--
12	2	--	--	1	--	75	23	--
16	9	--	--	1	--	59	18	63
16	3	--	--	1	--	81	24	77
21	11	--	--	1	--	73	22	--
11	3	--	--	1	--	88	27	89
17	2	--	--	1	--	84	25	--
19	26	--	--	6	--	66	20	--
26	31	--	--	24	--	30	9	--
27	31	--	--	17	--	52	16	67
28	31	--	--	12	--	53	16	72

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